CLAIMS

I claim:

1. A shock actuated electric relay comprising:

a coilless relay,having a frame housing extending horizontally as a base portion and extending vertically connectably to a upper portion in such a manner as to support the upper members and a notched portion in said assembly to enable the connection of the upper members to frame;

a singular pole movable horizontally disposed relay bar and a notched portion in relay bar provided to fit into frame of said frame housing;

a weight connectably fastened to said relay bar and holes in stated weight to enable connection to relay bar;

a relay bar with holes engaged to meet in connection to weight as stated to connect weight and relay bar;

means for providing weight for movement in earthquake or violent shock;

a spring connectably fastened to relay bar and fastened to frame housing;

means to provide resistance to said weight and to provide response in earthquake or violent shock;

a grommet,insertably connected to hole in relay bar and a grommet insertably connected to hole in frame housing;

means to electrically insulate spring from frame housing and relay bar;

a hole disposed in notched end of relay bar;

a hole disposed in frame housing;

means to insert said grommets at both points to engage said spring and to engage resistive portions of said device to be responsive in earthquake or violent shock;

an extruded outwardly projecting vertical frame portion of frame housing extending horizontall from same said frame as one unitary part;

means for providing a connection point for spring and said grommet.

2. The shock actuated electric relay of claim 1,wherein the relay is a coilless relay.

3. The shock actuated electric relay of claim 2, wherein the relay bar is a singular pole relay bar.

4. The shock actuated electric relay of claim 3, wherein the relay bar is connectably fastened to a weight.

5. A shock actuated electric relay comprising;

a contactor assembly consisting of four contactors,each of four contactors having a threaded hole and each threaded hole having a screw as an assembly part to enable adjustment of said assembly;

means to adjust the sensitivity of the device for response in an earthquake or violent shock;

a contactor assembly consisting of four contactors whereby in a non electrified state do not make contact with relay bar;

a contactor assembly consisting of four contactors whereby in an electrified state do not make contact with the relay bar;

means provided by relay as a coilless relay;

a contactor assembly consisting of four contactors whereby a relay bar is provided with a centering apparatus;

said centering apparatus provided as the responsive portion to respond in earthquake or violent shock.

5 claims,2 drawing sheets